# METHOD AND APPARATUS FOR PROVIDING USER SPECIFIC DOWNLINK BEAMFORMING IN A FIXED BEAM NETWORK

## ABSTRACT OF THE DISCLOSURE

5        The disclosed embodiments relate to a system and method for providing user specific beams in a fixed beam network, the fixed beam network comprising a plurality of fixed beams, each of the plurality of fixed beams being defined by a plurality of fixed beam correlation coefficients. The system may comprise a device that computes reception correlation data for a received signal, and a beamformer that

10       is adapted to determine transmission weighting coefficients to be applied to a return signal based on the difference between the reception correlation data and the fixed beam weighting coefficients associated with at least one of the plurality of fixed beams.